

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 04-123956

(43)Date of publication of application : 23.04.1992

(51)Int.Cl.

B60R 25/10

(21)Application number : 02-246839

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(22)Date of filing : 17.09.1990

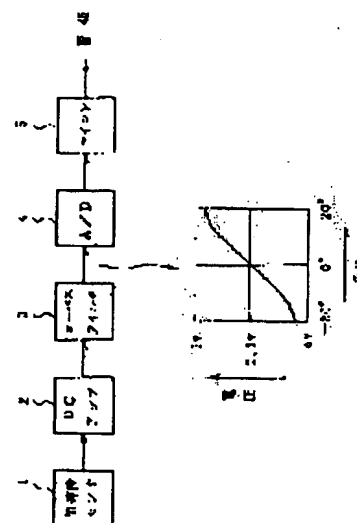
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(54) ANTITHEFT DEVICE FOR VEHICLE

(57)Abstract:

PURPOSE: To keep off any change in sensitivity due to difference in an initial tilt angle by storing the initial tilt angle at time of a parking start, and when the difference between the initial tilt angle and the subsequent vehicle tilt angle exceeds a specified threshold value, making an alarm so as to be outputted, then setting the threshold value to the smaller, the larger in the initial tilt angle.

CONSTITUTION: An acceleration sensor 1 is locked to a vehicle, output voltage conformed to a tilt angle of the vehicle, and output of the sensor 1 is amplified by a DC amplifier 2, thereby eliminating any noise due to vibration or the like in the vehicle from this amplified output by means of a filter 3. Analog output voltage of the filter 3 is converted into a digital value by an analog-to-digital converter 4, outputting it to a microcomputer 5. An initial tilt angle at time of a start of parking is stored in memory at this microcomputer 5, and a difference (variation) between the initial one and the subsequent tilt angle is calculated. When the variation is reached to the specified threshold value, an alarm is outputted. At this time, the threshold value varies according to the initial tilt angle, through which any variation in sensitivity is made so as not to be produced according to size of the initial tilt angle.



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[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

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